



WorldView™

A Vyant
Technologies
Product

“Up to 60% of
backups do
not properly
execute in
typical network
environments.”

— The
Enterprise
Storage Group

Monstrous
task tamed in
seconds

First web-
based solution

WorldView™

Web-based data readiness assurance in seconds

With its web-based functionality and detailed reporting and management capabilities, Vyant Technologies' *WorldView*™ offers IT organizations the consolidating capabilities and ease of use they have long been awaiting. Enterprise IT managers and system administrators can now manage one of their greatest challenges; gaining timely insight into the performance and status of their data backup efforts across the enterprise. The goal is simple: enable the organization to preempt data interruption or disaster, each of which can have significant operational and financial implications.

This white paper will discuss, first, problems of growing dependence on always-on systems and data availability. Then we will show how *WorldView* takes the risk out of managing highly complex, geographically diverse backup environments.

The need for a solution to manage complex backup environments

Data's rapid expansion and business' ever-increasing dependency on it place tremendous pressure on already stretched resources responsible for ensuring its availability. Managers at all levels of the organization are being asked if their department, business unit, or company data is protected. How does the manager responsible for the business answer this question? Today, in most companies, data is distributed across multiple locations, storage and operating systems, making IT environments very complex. This complexity makes the assessment of data protection more difficult and time consuming. Not knowing backup status in real time, or at all, puts the organization at risk.

Why a web-based solution?

Maintaining a timely and comprehensive understanding of an enterprise's backup performance is a monstrous task. Running reports from the client-server based backup platforms can take considerable time and only yield the end-user with a status specific to that slice of the enterprise. Try getting a status on all backups across an enterprise having operations in multiple states, running multiple backup systems. Such an effort could take days, if not weeks, given the size and geographical make-up of the enterprise.

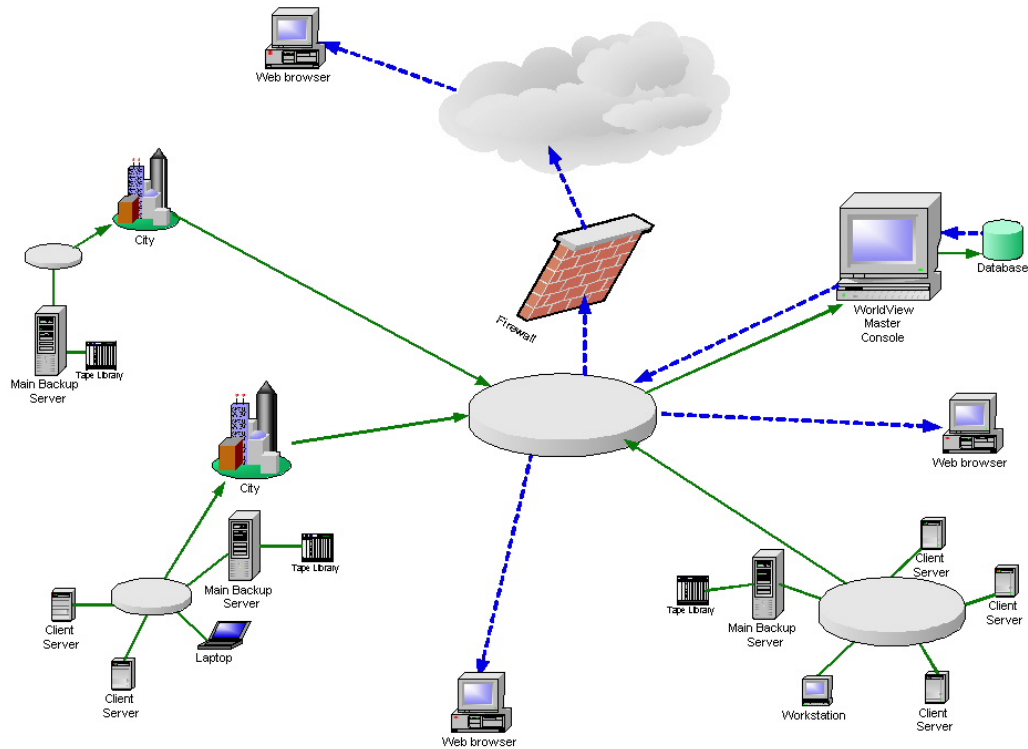
By implementing a web-based solution, a manager or executive responsible for data readiness can perform an assessment in a matter of seconds. Having a fast, accurate view of all backup jobs running across the enterprise reduces the time, effort, and more importantly, the risk to the enterprise.

Why WorldView?

WorldView is the first web-based backup resource manager. This one feature significantly simplifies managing a vast, geographically disparate backup network. Needing installation only on a single master console, the *WorldView* database can be accessed by any authorized user directly from any browser in the world. Additional dedicated hardware across geographic regions is not required. Through *WorldView*'s web-based access structure, Vyant Technologies provides a user-friendly interface, ensuring consistent understanding and usage of *WorldView*'s functionality.

WorldView's second differentiator is its ability to set up access to different levels of usage within an enterprise. By allowing corporations to assign access privileges by enterprise, division, and department (levels are user definable), *WorldView* facilitates involvement in data management corporate-wide. Individuals have the ability to check on backup and restore events for their own unique data packages, schedule either process when needed, and track internal system resources and costs.

No matter where, no matter when, you're in control



WorldView Implementation

By increasing access to the backup/restore process, *WorldView* gives more employees responsibility for protecting their data, thus decreasing the likelihood of backup failures due to administrative breakdown.

WorldView's unique design connects an enterprise's backup servers directly to the *WorldView* main console. All backup, restore, and scheduling information is pulled from each backup server into *WorldView's* central information database. IT managers can then view summarized reports of each client server's backup history and schedule., without impact to the client server's operational backup server.

WorldView operates across diverse vendors, operating systems, locations, and backup environments. Its single view provides users with a simple way to monitor and set backup and restore schedules, run reports, handle requests from external users, track and trend performance, and ensure increased levels of backup success.

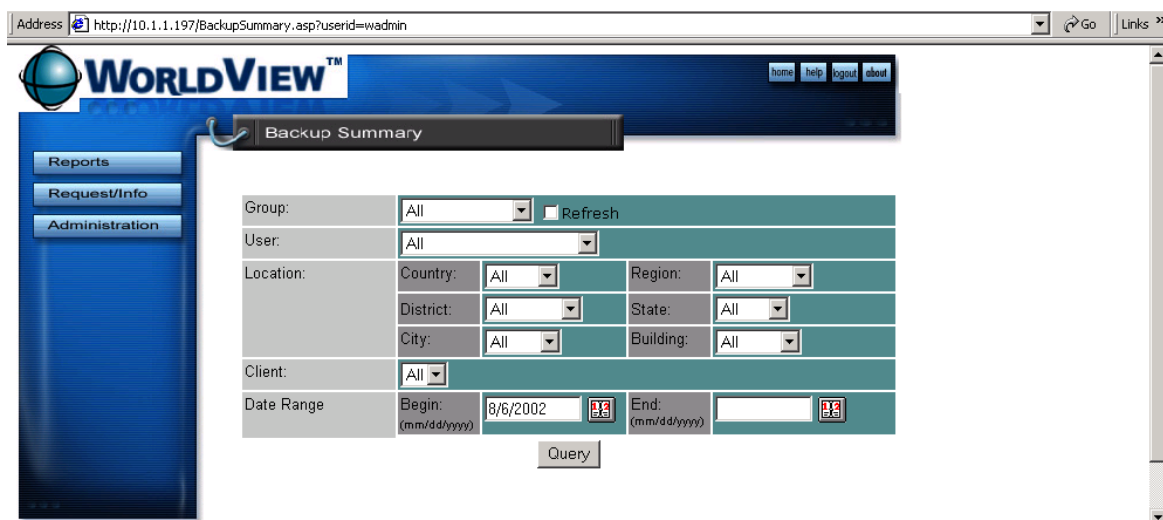
Operates across diverse vendors, systems, environments

Significant
improvements
over standard
BRM programs

WorldView components

WorldView's backup resource manager (BRM) allows system administrators to know the status of the existing backup systems within the enterprise. *WorldView* architecture significantly improves on the features available in standard BRM programs.

- **Web-based Access** *WorldView* is the only BRM which is web based. Any authorized user can view his or her data backup events from any location with internet access. Its single interface provides consistency of understanding and use of an enterprise's backup procedures.



WorldView Backup Summary

With *WorldView*, all authorized users see the same data, processes, and tracking mechanisms. This fosters universal understanding of how, when, and how their data is being handled.

- **Hierarchical, Role-based Access** *WorldView* provide three levels of user definable access. Users are assigned access to backup and restore processes at enterprise, division, or department levels. Individual division and department managers can monitor their specific backup schedules for additional protection against lack of knowledge of backup failures.
- **Centralized Database** *WorldView* pulls and stores data from the corporation's backup servers into a central database. Users then work with the historical data without any impact to the individual backup or client servers. IP port selectability and one-way data routing maintains *WorldView's* stringent security parameters.
- **Agents Facilitate Data Management and Protection** *Worldview's* architecture establishes individual agents on each backup server. Using minimal space (256K), each agent manages data collection from backup systems, then transmits it to the *WorldView* main console. By maintaining agents only on the backup servers, *WorldView* minimizes impact on production systems as it protects against data loss due to outages or broken network connections.
- **Fault/Alert Event Notification** *WorldView* will send alerts of faults and scheduled events via SNMP e-mail. Administrators can specify the type of alert and define specifically each recipient.
- **Platform Independent** *WorldView* works across multiple vendors, operating systems, and platforms seamlessly.

Agents
minimize
impact on
systems,
protect against
data loss



One view,
many reports

WorldView reporting features

WorldView's database maintains a customer selectable range of historical data on the enterprise's backup and functions. Built into its design are numerous reporting functions that can be easily and quickly accessed through its single view.

- **Usage allocation and billing** *WorldView* lets users create reports by providing comprehensive information on how many backups were run, based on kilobyte, time, and files, allowing users to apply cost data for internal billing purposes.
- **Status reports** Users can view the backup procedures by group, client, vendor, and group average. Reports are pulled by any date range desired.
- **Tape status** *WorldView* provides an immediate picture of the tape drives attached to the network. Drilling down through the report provides specific information on each tape drive, including the backup server it's connected to and drive type.
- **Backup summary** Users can get an immediate view of the scheduled backups by group, according to successful, partial, or failed status, and capacity.
- **Request capability** *WorldView* allows users to request, from any location, regular or special backups and restores, alert and event notifications, change requests, outstanding backup and restore queries, and feedback.
- **Contact list** *WorldView* includes a contact list based on the different level of user assignments.
- **Dashboard** This tool tracks failures, partial backups, and successful backups using data slices by frequency and department, allowing for trending analysis. The dashboard also includes usage data by group, real or virtual.

Architecture

- **Clientless Front End** Web based; browser access provides easy management and scalability.
- **Data Collecting Media Server** Media (backup) server holds *WorldView* agent; serves as data collection point for client servers. Buffers data for continuous data recording and prevents data loss during network outages with IP port selectability for enhanced security.
- **Central SQL Database** Runs Microsoft SQL Server 8.0, MSDE, or MYSQL for easy access and query from a single location.
- **Hierarchical Structured Database** User definable structure which stratifies enterprise information and access into three levels. Allows management at the enterprise, division, or department levels and is customer definable.
- **Role-based Query Structure** Views are designed with user fields to increase productivity per role.
- **User Interface** GUI provides simple and intuitive screen navigation, through drop down menus and clear field instructions.
- **Supported Environments** Solaris, AIX, HP-UX, NT and WIN2000 environments.
- **Supported Backup Software** Veritas NetBackup™, Veritas Backup Exec™, Legato Networker™.

Engineered for
easy access,
ease of use



**Vyant is in the
business of
business
continuance**

About Vyant

Since 1999, Vyant Technologies has focused on creating high quality software products for enterprise data protection, data recovery, and storage management. Recognizing the need for business continuance versus guaranteed backup, Vyant Technologies' products are engineered towards eliminating downtime while affording immediate access to archived data, and streamlining storage maintenance. For additional information on **WorldView** call 703-259-0501, or email sales@vyanttech.com. For more information on Vyant Technologies, or to download an Acrobat .pdf of this White Paper, go to www.vyanttech.com.